Team 23 Project Charter

Team Members:
Aanya Jha, Natalie Harrison, Tianze Wu (Susan), Varun Jasti

Current Project Title Ideas: CharityLink, KindnessKiosk, Outreach Outlet, Outreach Oasis

Problem Statement:

The underprivileged often have to seek out resources for themselves, which at times is not easy, efficient, or secure for them to carry out. Donations were popularized by Goodwill, and even those are often resold for a higher value price. Our project aims to streamline store management and distribution of outreach programs held by non-profit organizations, along with providing a user-friendly donation platform for individuals as well. For people who are in need, this project aims to give them a one-stop location for all their food, clothing and various other needs online.

Project Objectives:

1. Allow non-profit organizations to manage their inventory of goods.
2. Manage delivery and supply chain logistics for the nonprofit organizations.
3. Develop a system for people in need to easily access necessary goods and services.
4. Ensure that all stored data is secure and that users can login and logout successfully.
5. Have distinct functionalities for donors, companies, and the underprivileged.

Stakeholders:

Users:

- Those that are in need of goods and resources.
- Non Profit organizations that want to organize events, manage stock, and allocate resources.
- Donors that want to donate goods, which includes the common man, businesses, sponsors, and organizations.

Project Developers/Project Owners: Aanya Jha, Natalie Harrison, Tianze Wu (Susan), Varun Jasti

<u>Development Manager</u>: Yu Shi

Project Deliverables:

- Build API to access the database utilizing Java.
- Build a front end web app for all types of users to access their respective functionalities.
- Write database queries for all of the functionalities necessary in the front end web app using SQL and React.
- Train a machine learning algorithm to do demand forecasting for the inventory management system using Python.